



Substitution Form PTO-1449 (Mod. 6-8)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>13909-161001</b>	Application No. <b>10/809,873</b>
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant <b>Theilmann, et al.</b>	
		Filing Date <b>March 25, 2004</b>	Group Art Unit <b>2121</b>

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
NKA	AA	US-5692125	11/1997	Schloss et al.			
NKA	AB	US-6029043	02/2000	Ho et al.			
NKA	AC	US-6471521	10/2002	Dornbush et al.			
NKA	AD	US-2003/0195946 A1	10/2003	Yang			
NKA	AE	US-6701125	03/2004	Lohse			
NKA	AF	US-6801751	10/2004	Wood et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
NKA	AG	WO 99/09490	02/1999	WIPO			Yes
NKA	AH	WO 02/21379	03/2002	WIPO			No
NKA	AI	WO 02/073442 A	09/2002	WIPO			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>								
Examiner Initial	Desig. ID	Document						
NKA	AJ	Eugster, Patrick, et al., "Distributed Asynchronous Collections: Abstractions for Publish/Subscribe Interaction," Agilent Lab. and Lombard Odier Co., January 10, 2000, pp. 1-34, XP002171795						
NKA	AK	Shorshita, Teruji, et al., "A Large-scale Contents Distribution Architecture Based on Reliable Multicast," Proceedings Internet Workshop, 1999, IWS '99 Osaka, Japan, February 18-20, 1999, pp. 75-80, XP010365597						

Examiner Signature <i>/Navneet K Ahluwalia/</i>	Date Considered <b>09/15/2006</b>
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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR 51.98(b))		Applicant Theilmann, et al.	
		Filing Date March 25, 2004	Group Art Unit 2121

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
NKA	AA	US-6243692	06/05/2001	Floyd et al.			

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
NKA	AB	WO 98/53384	11/26/1998	WIPO				
NKA	AC	WO 00/54128	09/14/2000	WIPO				
NKA	AD	EP 1 071 253	01/24/2001	EPO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
NKA	AA	5,727,950	03/17/98	Cook et al.			
	AB						

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes No
	AC						

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AD	

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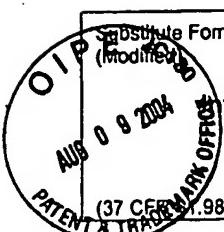
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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
NKA	AA	US-5584699	12-1996	Silver			
NKA	AB	US-5675802 A	10-1997	Allen et al.			
NKA	AC	US-5802514	09-1998	Huber			
NKA	AD	US-6134552 A	10-2000	Fritz et al.			
NKA	AE	US-6175841	01-2001	Loiacono			
NKA	AF	US-6430563 B1	08-2002	Fritz et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
NKA	AG	GB 2373625 A	09-2002	United Kingdom			Yes      No

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
NKA	AH	Lipkin, Daniel, "Universal Learning Format Technical Specification," January 13, 2001, retrieved from the Internet on July 29, 2004, at <a href="http://xml.coverpages.org/ulf.html">http://xml.coverpages.org/ulf.html</a> , XP002290517, pp. 1-3.

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NKA	AB	US-6,381,444	04/2002	Aggarwal et al.			
NKA	AC	US-6,397,036	05/2002	Thean et al.			
NKA	AD	US-6,729,885	05/2004	Stuppy et al.			
NKA	AE	US-2003/0049593	03/2003	Parmer et al.			
NKA	AF	US-2003/0129576	07/2003	Wood et al.			
NKA	AG	US-2004/0081951	04/2004	Vigue et al.			
NKA	AH	US-RE38,432	02/2004	Fai et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

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Examiner Initial	Desig. ID	Document					

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				Filing Date March 25, 2004	Group Art Unit

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
NKA	AA	US-60/201,500		Adams			5/3/2000
	AB	US-60/272,251		Ward			2/28/2001
	AC	US-60/329,088		Riggs			10/12/2001
	AD	US-60/334,714		Diesel			11/1/2001
	AE	US-60/400,606		Diesel			8/1/2002
	AF	US-2002/0006603 A1	11-2002	Peterson et al.			
	AG	US-2002/0073063	06-2002	Faraj			
	AH	US-2002/0138841 A1	09-2002	Ward			
	AI	US-2003/0073065	4-2003	Riggs			
	AJ	US-2003/0163784 A1	8-2003	Daniel et al.			
	AK	US-2003/0211447	11-2003	Diesel et al.			
	AL	US-2003/0224339 A1	12-2003	Jain et al.			
	AM	US-5008853	4-1991	Bly et al.			
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	AO	US-5788508	8-1998	Lee et al.			
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	AR	US-6091930	7-2000	Mortimer et al.			
	AS	US-6099320	8-2000	Papadopoulos			
	AT	US-6148338	11-2000	Lachelt et al.			
	AU	US-6149438	11-2000	Richard et al.			
	AV	US-6347943	2-2002	Fields et al.			
	AW	US-6370355	4-2002	Ceretta et al.			
	AX	US-6470171	10-2002	Helmick et al.			
	AY	US-6587668	7-2003	Miller et al.			
✓	AZ	US-6622003	9-2003	Denious et al.			
NKA	AAA	US-6643493	11-2003	Kilgore			

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
NKA	ABB	US-6709330	3-2004	Klein et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
NKA	ACC	Hewlett Packard, "HP OpenView Integration Guide for Developers," July 2002, [online], [retrieved from the Internet on March 24, 2004: <a href="http://h21007.www2.hp.com/dspp/files/unprotected/OpenView/IntegrationGuide/OV_Integration_Guide_7_30.pdf">http://h21007.www2.hp.com/dspp/files/unprotected/OpenView/IntegrationGuide/OV_Integration_Guide_7_30.pdf</a> ], pp. 67-92, XP002274908
NKA	ADD	Hewlett Packard, "hp OpenView Service Navigator for hp OpenView Operations 7.x for UNIX Product Brief," May 2002, [online], [retrieved from the Internet on March 24, 2004: <a href="http://www.pervigil.com/PDF/HP/sernav_pb_jun02.pdf">http://www.pervigil.com/PDF/HP/sernav_pb_jun02.pdf</a> ], 2 pgs., XP002274906
NKA	AEE	Sun Microsystems, "Developing Web Services with SUN™ Open Network Environment," March 2002, [online], [retrieved from the Internet March 24, 2004: <a href="http://www.sun.com/software/sunone/wp-spine/spine.pdf">http://www.sun.com/software/sunone/wp-spine/spine.pdf</a> ], pp. 1-32, XP002274909
NKA	AFF	Trythall, Steve, "JMS and CORBA Notification Interworking," December 12, 2001, [online], [retrieved from the Internet March 24, 2004: <a href="http://www.onjava.com/pub/a/onjava/2001/12/12/jms_not.html">http://www.onjava.com/pub/a/onjava/2001/12/12/jms_not.html</a> ], 8 pgs., XP002274907

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		Filing Date Herewith	Group Art Unit Unknown	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
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	AC	US-6112049	08-2000	Sonnenfeld			
	AD	US-6149441	11-2000	Pellegrino et al.			
	AE	US-6162060	12-2000	Richard et al.			
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	AG	US-2001/0044728 A1	11-2001	Freeman et al.			
	AH	US-2001/0047310 A1	11-2001	Russell, Randall A.			
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	AL	US-6368110 B1	04-2002	Koenecke et al.			
	AM	US-2002/0061506 A1	05-2002	Catten et al.			
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	AO	US-2002/0142278 A1	10-2002	Whitehurst et al.			
	AP	US-2002/0188583 A1	12-2002	Rukavina et al.			
	AQ	US-2003/0013073 A1	01-2003	Duncan et al.			
	AR	US-2003/0113700 A1	01-2003	Simon			
	AS	US-6514085 B2	01-2003	Slattery et al.			
	AT	US-6527556 B1	03-2003	Koskinen			
	AU	US-2003/0073063 A1	04-2003	Dattaray et al.			
	AV	US-2003/0082508 A1	05-2003	Barney, Matthew F.			
	AW	US-2003/0151629 A1	08-2003	Krebs et al.			
	AX	US-2003/0152899 A1	08-2003	Krebs et al.			
	AY	US-2003/0152900 A1	08-2003	Krebs et al.			
	AZ	US-2003/0152901 A1	08-2003	Altenhofen et al.			
↓	AAA	US-2003/0152902 A1	08-2003	Altenhofen et al.			
NKA	ABB	US-2003/0152903 A1	08-2003	Theilmann, Wolfgang			

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U.S. Patent Documents							
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NKA	ACC	US-2003/0152904 A1	08-2003	Doty, Jr.			
	ADD	US-2003/0152905 A1	08-2003	Altenhofen et al.			
	AEE	US-2003/0152906 A1	08-2003	Krebs et al.			
	AFF	US-2003/0157470 A1	08-2003	Altenhofen et al.			
	AGG	US-6606480 B1	08-2003	L'Allier et al.			
	AHH	US-2003/0175664 A1	09-2003	Frangenheim et al.			
▼	AII	US-2003/0175676 A1	09-2003	Theilmann et al.			
NKA	AJJ	US-6633742 B1	10-2003	Turner et al.			

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							Yes      No

Other Documents (include Author, Title, Date, and Place of Publication)		
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NKA	AKK	Albert, Dietrich, et al., "Adaptive and Dynamic Hypertext Tutoring Systems Based on Knowledge Space Theory," AIED '97 Artificial Intelligence in Education, Amsterdam Vol. 39 of Froulier in Artificial Intelligence and Application, 1997
	ALL	Global Knowledge Network, Inc., "On Demand Personal Navigator," <a href="http://kp.globalknowledge.com/products/od/index.asp">http://kp.globalknowledge.com/products/od/index.asp</a> , September 2002, 2 pgs.
	AMM	Henze, Nicola, et al., "Modeling Constructivist Teaching Functionality and Structure in the KBS Hyperbook System," University of Hannover, pp. 1-12, June 4, 1999
	ANN	Jin, Lai, et al., "An Ontology-Aware Authoring Tool – Functional structure and guidance generation," Proceedings of AIED '99, pp. 85-92, LeManns France, 1999
	AOO	Jungmann, Michael, et al., "Adaptive Hypertext in Complex Information Spaces," Daimler-Benz Research & Technology, Technical University of Ilmenau, pp. 1-5, March 8, 1997
	APP	Mühlhäuser, Max, "Cooperative Computer-Aided Authoring and Learning," University of Karlsruhe, pp. 107-130, 145-161, 165-192, 273-291, 293-318, 1995
	AQQ	Paaso, Professor Jouko, "A New Environment for Courseware Development, Course Delivery and Training," Proceedings of the ED-Media 97, Toronto, 1997
	ARR	Ranwez, Sylvie, et al., "Description and Construction of Pedagogical Material using an Ontology based DTD," AIED '99 Workshop 2 proceedings "Ontologies for Intelligent Educational Systems", pp. 1-4, 1999
▼	ASS	Siekmann, Jörg, et al., "Adaptive Course Generation and Presentation," ITS Workshop on Adaptive and Intelligent Web-Based Foundation System, Montreal, The Omega Group; pp. 1-10, 2000
NKA	ATT	x.hlp, "Software for faster learning," <a href="http://www.xhlp.com/home.cfm">http://www.xhlp.com/home.cfm</a> , April 2003, 7 pgs.

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